ABSTRACT

An adaptative source rate control method and apparatus utilizing a neural network are presented for controlling a data transmission of a media object over a communication network. A back propagation method transmitting control parameters related to the operation of a communications network is used for to dynamically adjust the performance of the network, in view of network parameters being sourced to a point of transmission. The bit rate and quantization level of the data stream are dynamically adjusted and shaped by the neural network in response to control parameters.

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